FINAL CODE:

```
#include LiquidCrystal
1cd(5,6,8,9,10,11);
int red1ed = 2;
int green1ed = 3;
int buzzer = 4;
int sensor = A0;
int sensorThresh = 400;
void setup()
{
pinMode(red1ed, OUTPUT);
pinMode(green1ed,OUTPUT);
pinMode(buzzer,OUTPUT);
pinMode(sensor,INPUT);
serial.begin(9600);
1cd.begin(16,2);
}
```

```
Void loop()
{
int analogValue = analogRead(sensor);
Serial.print(analogvalue);
if(analogValue>sensorThresh)
{
digitalWrite(red1ed,HIGH);
digit1Weite(green1ed,LOW);
tone(buzzer,1000,10000);
1cd.clear();
1cd.setCursor(0,1);
1cd.print("MONITORING");
delay(1000);
1cd.clear();
1cd.setCursor(0,1);
1cd.print("EVACUATE");
delay(1000);
}
Else
  {
digitalWrite(greenlad,HIGH);
digitalWrite(red1ed,LOW);
noTone(buzzer);
1cd.clear();
1cd.setCursor(0,0);
1cd.print("SAFE");
```

```
delay(1000);
1cd.clear();
1cd.setCursor(0,1);
1cd.print(“ALL CLEAR”);
delay(1000);
}
}
```